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A List and Bibliography of the Fossil Amphibians, Reptiles, and Birds of Illinois

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Much of the compiling of the following list and bibliography was done coincidentally with the preparation of the previous List and Bibliography of the Fossil Mammals of Illinois (Bader and Techter, 1959). I wish to thank Dr. Robert S. Bader for his considerable contribution during the initial compiling and checking of references, but any errors or omissions remain my own responsibility.

LIST OF THE FOSSIL AMPHIBIANS

RHACHITOMI

Trimerorhachidae

Trimerorhachid [undescribed]

Dissorhophidae

A m phibamus grandiceps Cope

Eryopidae

Genus indet.

Family incertae sedis

Micrerpeton caudatum Moodie

EMBOLOMERI

Cricotidae

Cricotus heteroclitus Cope

Spondylrpeton spinatum Moodie

AISTOPODA

Dolichosomidae

Phlegethontia mazonensis Gregory

MICROSAURIA

Gymnarthridae?

Genus indet.

Lysorophidae

Lysorophus tricarinatus Cope

¹ Chicago Natural History Museum Chicago, Ill

NECTRIDIA

Keraterpetonidae

Diplocaulus salamandroides Cope

Urocordylidae

Sauropleura sp.

INDETERMINATE AMPHIBIANS OR FISH

Erierpeton branchialis Moodie

Mazonerpeton costatum Moodie

Erpetobrachium mazonensis Moodie

Proterpeton gurleyi Moodie

LIST OF THE FOSSIL REPTILES

CAPTORHINOMORPHA

Protothyrididae

Cephalerpeton ventriarmatum Moodie

DIADECTOMORPHA

Diadectid [undescribed]

PELYCOSAURIA

Ophiacodontidae

Clepsydrops collettii Cope

Clepsydrops vinslovii Cope

CHELONIA

Emydidae

Terre pene omata (Agassiz)

Pseudemys sp.

Chrysemys (?) sp.

LIST OF THE FOSSIL BIRDS

ANSERIFORMES

Anatidae

Mergus merganser Linnaeus

Olor buccinator (Richardson)

GALLIFORMES

Meleagridae

Meleagris gallopavo Linnaeus

GRUIFORMES

Gruidae

Grus canadensis (Linnaeus)

BIBLIOGRAPHY

Baur, G., and E. C. Case, 1899. The history of the Pelycosauria, with a description of the genus *Dimetrodon*. Trans. American Phil. Soc. (2), 20: 1-58, pls. 1-3, text figs. 1-7.

Beede, J. W., 1907. Invertebrate Paleontology of the Upper Permian

- Red Beds of Oklahoma and the Panhandle of Texas. Kansas Univ. Sci. Bull., 4: 115-171.
- _____. 1922. Age and development of Red Beds and terrestrial vertebrates of the Appalachian and Kansas-Texas sections. Bull. Geol. Soc. America, 33: 671-688.
- Broili, F., 1902. Ein Beitrag zur Kenntnis von *Diplocaulus*, Cope. Centralbl. Min. Geol. Pal., 1902: 536-541, 4 text figs.
- _____. 1904. Permische Stegocephalen und Reptilien aus Texas. Palaeontogr., 51: 1-49, 51-120, pls. 1-13, 5 text figs.
- Case, E. C., 1900. The vertebrates from the Permian bone bed of Vermilion County, Illinois. Jour. Geol., 8: 698-729, pls. 1-5. Reprinted, 1901, in Contrib. Walker Mus., 1: 3-29, pls.
- _____. 1902. On some vertebrate fossils from the Permian Beds of Oklahoma. Rep. Geol. Nat. Hist. Surv. Oklahoma, 2: 62-68.
- _____. 1907. Revision of the Pelycosauria of North America. Publ. Carnegie Inst. Washington, No. 55: 1-176, pls. 1-35, text figs. 1-75
- _____. 1911a. A revision of the Cotylosauria of North America. Publ. Carnegie Inst. Washington, No. 145: 1-122, pls. 1-14, text figs. 1-52.
- _____. 1911b. Revision of the Amphibia and Pisces of the Permian of North America. Publ. Carnegie Inst. Washington, No. 146: 1-148, pls. 1-25, text figs. 1-51.
- _____. 1915. The Permo-Carboniferous Red Beds of North America and their vertebrate fauna. Publ. Carnegie Inst. Washington, No. 207: 1-176, pls. 1-24, text figs. 1-50
- _____. 1919. The environment of vertebrate life in the late Paleozoic in North America; a palaeogeographic study. Publ. Carnegie Inst. Washington, No. 283: i-vi, 1-273, 6 text figs., tables, maps.
- Cope, E. D., 1865. On *Amphibamus grandiceps*, a new batrachian from the Coal-measures. Proc. Acad. Nat. Sci. Philadelphia, 1865: 134-137.
- _____. 1866. Supplement to the description of [Illinois] vertebrates. Geol. Surv. Illinois, 2: 135-141, pl. 32, 1 woodcut.
- _____. 1868. Synopsis of the extinct Batrachia of North America. Proc. Acad. Nat. Sci. Philadelphia, 20: 208-221.
- _____. 1875a. On fossil remains of reptilia and fishes from Illinois. *ibid.*, 27: 404-411.
- _____. 1875b. Interesting fossils from Illinois. American Nat., 9: 573-574.
- _____. 1877a. On the Vertebrata of the bone bed of eastern Illinois. Proc. American Phil. Soc., 17: 52-63
- _____. 1877b. Descriptions of Extinct Vertebrata from the Permian and Triassic formations of the United States. *ibid.*, 17: 182-193.
- _____. 1884. The Batrachia of the Permian period of North

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- America. American Nat., 18: 2 6-39, pls. 2-5, 7 woodcuts.
- _____. 1888a. On the intercentrum of the terrestrial Vertebrata. Trans. American Phil. Soc., 16: 243-253, pl. 1, 6 text figs.
- _____. 1888b. Systematic catalogue of the species of Vertebrata found in the beds of the Permian epoch in North America, with notes and descriptions. *ibid.*, 16: 285-297, pls. 2-3, 1 text fig.
- Cope, E. D., and W. D. Matthew, 1915. Hitherto unpublished plates of Tertiary Mammalia and Permian Vertebrata. Prepared under the direction of E. D. Cope for the U. S. G. S. of the Territories, with descriptions of the plates by W. D. Matthew. American Mus. Nat. Hist. Monograph Series, No. 2.
- Douthitt, H., 1917. The structure and relationships of *Diplocaulus*. Contrib. Walker Mus., 2: 1-41, pls. 1-2, 7 text figs.
- Galbreath, E. C., 1938. Post-glacial fossil vertebrates from east-central Illinois. Field Mus. Nat. Hist., Geol. Ser., 6: 303-313, 2 figs.
- _____. 1944. *Grus canadensis* from the Pleistocene of Illinois. Condor, 46:35.
- Gregory, J. T., 1948a. The structure of *Cephalerpeton* and affinities of Microsauria. American Jour. Sci., 246: 550-568.
- _____. 1948b. A new limbless vertebrate from the Pennsylvanian of Mazon Creek, Illinois. *ibid.*, 246: 636-663.
- _____. 1950. Tetrapods of the Pennsylvanian nodules from Mazon Creek, Illinois. *ibid.*, 248: 833-873.
- Gregory, W. K., 1917. The coal measures Amphibia of North America. American Nat., 51: 311-320.
- Hay, O. P., 1900. Descriptions of some vertebrates of the Carboniferous age. Trans. American Phil. Soc., 39: 96-123.
- Lydekker, R., 1910. Vertebrate Paleontology in 1909. Science Progress, 4: 649-676.
- Miall, L. C., 1875. Report of the committee consisting of Huxley, Harkness, Woodward, Thompson, Brigg, and Miall, on the structure and classification of the Labyrinthodonts. Report British Assoc. Adv. Sci., Belfast meeting, 1874: 149-192.
- Moodie, R. L., 1908a. The ancestry of the caudate Amphibia. American Nat., 42: 361-373.
- _____. 1908b. The dawn of the quadrupeds in North America. Pop. Sci. Monthly, 72: 558-566.
- _____. 1908c. The lateral line system in extinct Amphibia. Jour
- _____. 1909a. Vertebrate Paleontology. American Nat., 43: 116-124.
- _____. 1909b. A contribution to a monograph of the extinct Amphibia of North America. New forms from the Carboniferous. Jour. Geol., 17: 38-82, 24 text figs.
- _____. 1909c. The Microsauria, ancestors of the reptilia. Geol. Mag. (5), 6: 216-220, 1 text fig.

- _____ 1910a. The alimentary canal of a Carboniferous salamander. *American Nat.*, 44: 367-375, 4 text figs.
- _____ 1910b. The Amphibia of the Mazon Creek shales. *Science* (n.s.), 31: 233-234.
- _____ 1911a. Two amphibians, one of them new, from the Carboniferous of Illinois. *Proc. N. S. Nat. Mus.*, 40: 429-433.
- _____ 1911b. The Carboniferous quadrupeds. Those of Kansas, Ohio, Illinois, and Pennsylvania in relation to the classification of the so-called Amphibia and Stegocephala. *Trans. Kansas Acad. Sci.*, 22: 239-247, pls. 1-3. [bears imprint of 1908, but apparently not issued until 1911].
- _____ 1912a. The Mazon Creek, Illinois, shales and their amphibian fauna. *American Jour. Sci.* (4), 34: 277-285, 4 text figs.
- _____ 1912b. The Pennsylvanian Amphibia of the Mazon Creek, Illinois, shales. *Sci. Bull. Kansas Univ.*, 6: 323-359, pls. 1-14.
- _____ 1912c. The skull structure of *Diplocaulus magnicornis* Cope and the amphibian order Diplocaulia. *Jour. Morph.*, 23: 31-39, pls. 1-2.
- _____ 1914. A list of the described species of fossil Amphibia. *Sc. Bull. Kansas Univ.* 9: 13-28.
- _____ 1915a. A new fish brain from the coal measures of Kansas, with a review of other fossil brains. *Jour. Comp. Neur.*, 25: 135-181, 19 text figs.
- _____ 1915b. A further contribution to a knowledge of the lateral line system in extinct Amphibia. *ibid.*, 25: 317-328, 7 text figs.
- _____ 1916. The coal measures Amphibia of North America. *Publ. Carnegie Inst. Washington*, No. 238: 1-222, pls. 1-26, 43 text figs.
- Olson, E. C., 1946. Fresh- and brackish-water vertebrate-bearing deposits of the Pennsylvanian of Illinois. *Jour. Geol.*, 54: 281-305.
- _____ 1951. *Diplocaulus*, a study in growth and variation. *Fieldiana, Geol. Ser.*, 11: 57-154, pls. 1-7, text figs., tables 1-29.
- Romer, A. S., and L. I. Price, 1940. Review of the Pelycosauria. *Geol. Soc. America, Spec. Papers*, 28: 1-538, pls. 1-46, 71 text figs.
- Turnbull, W. D., and P. F. Turnbull, 1955. A recently discovered *Phlegethontia* from Illinois. *Fieldiana, Zool. Ser.*, 37: 523-540.
- Watson, D. M. S., 1917. A sketch classification of the Pre-Jurassic tetrapod vertebrates. *Proc. Zool. Soc. London*, 1917: 167-186.
- _____ 1940. The origin of frogs. *Trans. Roy. Soc. Edinburgh*, 60: 195-231, 23 text figs.
- Wetmore, A., 1935. A record of the trumpeter swan from the Late Pleistocene of Illinois. *Wilson Bulletin*, 42: 237.
- _____ 1948. A Pleistocene record for *Mergus merganser* in Illinois. *ibid.*, 60: 240.
- _____ 1956. A checklist of fossil and prehistoric birds of North America and the West Indies. *Smithsonian Misc. Coll.*, 131: No. 5. 1-105.

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- _____ 1959. Birds of the Pleistocene in North America. *ibid.*, 138: No. 4, 1-24.
- Williston, S. W., 1909. The skull and extremities of *Diplocaulus*. Trans. Kansas Acad. Sci., 22:122-131, pls. 1-5. [errs in ascribing *D. salamandroides* to Texas] .
- _____ 1910. *Cacops, Desmospondylus*: new genera of Permian vertebrates. Bull. Geol. Soc. America, 21: 249-284, pls. 6-17.
- _____ 1911. American Permian Vertebrates. Univ. Chicago Press: 145 pp., pls. 1-38, text figs. 1-32.